

US006192258B1

(12) United States Patent Kamada et al.

(10) Patent No.: US 6,192,258 B1

(45) **Date of Patent:** Feb. 20, 2001

(54) MOBILE COMMUNICATION DEVICE WITH A ROTARY PUSH SWITCH

- (75) Inventors: **Tomihisa Kamada; Koichi Hayasaka,** both of Tokyo (JP)
- (73) Assignees: Access Co., Ltd.; Sony Corporation, both of Tokyo (JP)
- (*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.
- (21) Appl. No.: 09/083,580
- (22) Filed: May 21, 1998

(30) Foreign Application Priority Data

May	23, 1997	(JP)	9-150509
(51)	Int. Cl. ⁷		H04M 1/00
(52)	U.S. Cl.		455/566 ; 455/564
(58)	Field of	Search	455/564, 566,
			455/90, 550, 575

(56) References Cited

U.S. PATENT DOCUMENTS

5,703,947	*	12/1997	Hino et al	455/575
5,719,936	*	2/1998	Hillenmayer	455/575
			Rabe	
			Higginbotham et al	

5,933,783	*	8/1999	Kawakami et al	455/550
5,987,336	*	11/1999	Sudo et al	455/566

^{*} cited by examiner

Primary Examiner—Nay Maung
Assistant Examiner—Quochien B. Vuong
(74) Attorney, Agent, or Firm—Dellett and Walters

(57) ABSTRACT

A mobile communication device with a flat display of relatively large screen size, capable of displaying an HTML document, to enhance its operability. A personal information list written in HTML is present on the display. Anchor points are set to person names, phone numbers, FAX numbers and e-mail addresses in the list. Selection of these items with a pen causes their associated operations to be performed. The person names and their phone numbers of the list appear within a display window of the device with its cover closed. With respect to the anchor points other than those to the phone numbers, a special character string "KEYSKIP" is set in each start tag of the anchor points. A browser sequentially moves a focus among the anchor points in response to the rotating operation of a rotary push switch. In this processing, the browser will skip the focusing of the anchor points that has the "KEYSKIP" attribute added. A push operation of the rotary push switch with respect to the focussed anchor point will activate an automatic dialing to the phone number of the focussed anchor point.

16 Claims, 15 Drawing Sheets

